

# Worm and wheel set



## Module 1.5 Worm in steel or machined plastic

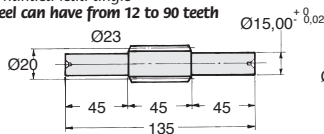


- Pitch 4.712mm
- Machined parts
- Pressure angle 20°
- Right handed lead angle
- Materials:  
Worm: Steel 20NCD2 or Delrin plastic  
Wheel: bronze CuAl10NiFe4 or Delrin plastic
- Delrin: Working temp. -50°C to +80°C

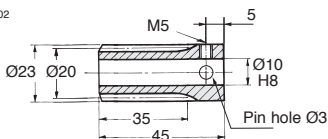


### Options

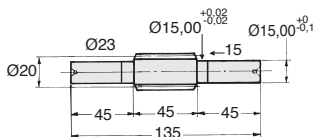
- Left handed lead angle
- Wheel can have from 12 to 90 teeth



Steel worm with shaft (SW)



Steel (W) or plastic (ZW) worm with bore



Plastic worm with shaft (ZSW)

### DISCOUNT Steel

Qty	1+	6+	20+	50+
Disc.	List	-12%	-25%	On request

### DISCOUNT Delrin

Qty	1+	6+	30+
Disc.	List	-22%	On request

Part number		No. of starts	Lead angle	Price each 1 to 5	
Worm with bore	Worm with shaft			Worm with bore	Worm with shaft

#### Non hardened steel

W1.5-1	SW1.5-1	1	4°17'	43,35 €	81,22 €
W1.5-2	SW1.5-2	2	8°31'	50,37 €	85,54 €
W1.5-3	SW1.5-3	3	12°40'	52,85 €	88,24 €
W1.5-4	SW1.5-4	4	16°42'	57,32 €	89,20 €

#### Hardened steel

WH1.5-1	SWH1.5-1	1	4°17'	61,63 €	115,41 €
WH1.5-2	SWH1.5-2	2	8°31'	71,51 €	121,51 €
WH1.5-3	SWH1.5-3	3	12°40'	75,09 €	125,23 €
WH1.5-4	SWH1.5-4	4	16°42'	81,38 €	126,72 €

#### Delrin

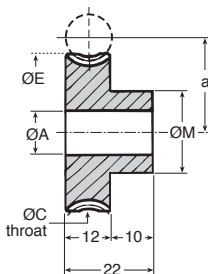
ZW1.5-1	ZSW1.5-1	1	4°17'	30,52 €	57,40 €
ZW1.5-2	ZSW1.5-2	2	8°31'	35,35 €	60,45 €
ZW1.5-3	ZSW1.5-3	3	12°40'	37,16 €	62,26 €
ZW1.5-4	ZSW1.5-4	4	16°42'	40,29 €	62,93 €

Dimensions in mm

## Wheel in bronze or machined plastic Module 1.5

### Info.

- Pitch 4.712mm
- To order, add the number of starts on the worm to the wheel's part number.  
E.g: worm **W1.5-1**.  
wheel **M1.5-20/1**
- The use of a delrin worm with a delrin wheel is only recommended for occasional use. The use of a delrin worm with a steel wheel is preferred.



### Torque and power indication for 50 teeth at 1000 rpm (input)

WHEEL material	Bronze Nm (kW)	Delrin Nm (kW)
Steel	16.80 (0.035)	10.05 (0.021)
Hardened steel	30.00 (0.063)	-
Delrin	-	3.97 (0.008)

### DISCOUNT Bronze

Qty	1+	6+	20+	50+
Disc.	List -12%	-25%	On request	

### DISCOUNT Delrin

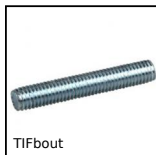
Qty	1+	6+	30+
Disc.	List -22%	On request	

Part number		Z	Centres					Price each 1 to 5		
Bronze	Plastic	Teeth	ØP	a	ØC	ØE	ØM	ØA	Bronze	Plastic
M1.5-12	ZM1.5-12	12	18,00	19,00	21,00	22,50	15	8	45,14 €	22,68 €
M1.5-15	ZM1.5-15	15	22,50	21,25	25,50	27,00	18	8	55,69 €	27,94 €
M1.5-18	ZM1.5-18	18	27,00	23,50	30,00	31,50	18	8	59,52 €	29,94 €
M1.5-20	ZM1.5-20	20	30,00	25,00	33,00	34,50	20	10	61,41 €	33,91 €
M1.5-22	ZM1.5-22	22	33,00	26,50	36,00	37,50	20	10	63,34 €	35,11 €
M1.5-24	ZM1.5-24	24	36,00	28,00	39,00	40,50	20	10	65,46 €	36,19 €
M1.5-25	ZM1.5-25	25	37,50	28,75	40,50	42,00	25	10	67,41 €	37,36 €
M1.5-28	ZM1.5-28	28	42,00	31,00	45,00	46,50	25	10	70,81 €	44,52 €
M1.5-30	ZM1.5-30	30	45,00	32,50	48,00	49,50	30	15	74,18 €	46,76 €
M1.5-32	ZM1.5-32	32	48,00	34,00	51,00	52,50	30	15	76,70 €	48,30 €
M1.5-34	ZM1.5-34	34	51,00	35,50	54,00	55,50	30	15	85,53 €	53,87 €
M1.5-40	ZM1.5-40	40	60,00	40,00	63,00	64,50	30	15	115,01 €	72,47 €
M1.5-42	ZM1.5-42	42	63,00	41,50	66,00	67,50	30	15	127,11 €	80,05 €
M1.5-48	ZM1.5-48	48	72,00	46,00	75,00	76,50	30	15	161,52 €	101,75 €
M1.5-50	ZM1.5-50	50	75,00	47,50	78,00	79,50	30	15	173,81 €	109,49 €
M1.5-60	ZM1.5-60	60	90,00	55,00	93,00	94,50	30	15	242,45 €	152,69 €
M1.5-78	ZM1.5-78	78	117,00	68,50	120,00	121,50	30	15	477,91 €	174,09 €
M1.5-80	ZM1.5-80	80	120,00	70,00	123,00	124,50	30	15	477,91 €	174,09 €

↓ Wheels available up to this size		↓ ↓	
M1,5-90	ZM1,5-90	Dimensions: contact us	615,17 € 206,77 €

Dimensions in mm

## Our other products



TIFbout

Threaded stud -  
DIN976A, Steel



PMC150\_M16

Anti-vibration  
machine mount,  
Square base plate



CHMR40

Worm and wheel gear  
reducer, up to 57 Nm



VTH

Hexagonal headed  
bolts, Steel class 8.8



LVT

Miniature motorised  
actuator 4A, 4 amperes



FBL6000\_K13

Brush strip per meter  
PP fibres Ø0.2, Black  
striated polypropylene  
...



VCMB

Dual-thread screw  
wood/metal, Steel



BOX-WM

Box set of washer -  
DIN125, Box set of  
steel washers



ACLERP

Roller block for  
aluminium profile,  
Without guide rail



PM2

Worm and wheel set,  
Non hardened steel



SVT5

Screwjack with  
travelling screw, with  
translating screw



AT10courroie

AT type timing belt,  
AT10 Steel cored  
polyurethane

## Complementary products



M1

Worm and wheel set,  
Hardened steel



M1

Worm and wheel set,  
Machined plastic  
(delrin)